

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	19522	unipolar homojunction unicouple	US-PGPUB; USPAT	OR	ON	2009/11/12 16:20
S2	52	S1 same thermoelectric	US-PGPUB; USPAT	OR	ON	2009/11/12 16:21
S3	18	("20020046762"   "20030099279"   "20030209014"   "20060086118"   "20060128059"   "20060289050"   "20060289052"   "20070028956"   "20070089773"   "20070215194"   "3615870"   "5228923"   "5950067"   "6162985"   "6300150"   "6800933"   "7164077"   "7234735").PN.	US-PGPUB; USPAT	OR	ON	2009/12/10 11:56
S4	274	((Rama near2 Vankatasubramanian) (Kip near2 Coonley) (Edward near2 Sivola) (Michael near2 Puchan) (Randall near2 Alley) (Pratima near2 Addepalli) (Brooks near2 \$3quinn) (Thomas near2 Colpitts) (Mary near2 Napier)).in.	US-PGPUB; USPAT	OR	ON	2009/12/10 13:18
S5	15	S4 and thermoelectric	US-PGPUB; USPAT	OR	ON	2009/12/10 13:25
S6	3947	source same drain same sink	US-PGPUB; USPAT	OR	ON	2009/12/10 13:28
S7	4	S6 and "136".clas. and thermoelectric	US-PGPUB; USPAT	OR	ON	2009/12/10 13:28
S8	3947	source same drain same sink	US-PGPUB; USPAT	OR	ON	2009/12/10 13:30
S9	6	S8 and "62".clas. and thermoelectric	US-PGPUB; USPAT	OR	ON	2009/12/10 13:30
S10	27	S8 and peltier	US-PGPUB; USPAT	OR	ON	2009/12/10 13:33
S11	15	thermoelectric with unipolar	US-PGPUB; USPAT	OR	ON	2009/12/10 14:12
S12	22	nextreme.as.	US-PGPUB; USPAT	OR	ON	2009/12/10 14:14
S13	2	S12 and unipolar	US-PGPUB; USPAT	OR	ON	2009/12/10 14:14

S14	42	("20010052234"   "20020053359"   "20020069906"   "20020139123"   "3136134"   "3295034"   "3296034"   "3607444"   "3663307"   "4443650"   "5006178"   "5254178"   "5430322"   "5837929"   "5865975"   "5869242"   "5874219"   "5900071"   "5922988"   "6060331"   "6060657"   "6062681"   "6071351"   "6072925"   "6084050"   "6094919"   "6154266"   "6154479"   "6180351"   "6271459"   "6282907"   "6282907"   "6300150"   "6347521"   "6365821"   "6367261"   "6384312"   "6403876"   "6410971"   "6412286"   "6505468"   "6605772"   "6696635").PN.	US-PGPUB; USPAT	OR	ON	2009/12/10 14:19
S15	11	trans\$1thermoelectric trans \$1thermocouple trans \$thermistor	US-PGPUB; USPAT	OR	ON	2009/12/15 11:22
S16	98	thermoelectric and (series- parallel seriesparallel)	US-PGPUB; USPAT	OR	ON	2009/12/15 11:25
S17	44	(n-type p-type) with (parallel) and thermoelement	US-PGPUB; USPAT	OR	ON	2009/12/15 11:28
S18	2	trans\$1thermoelectric trans \$1thermocouple trans \$thermistor	EPO; JPO; DERWENT	OR	ON	2009/12/15 13:10
S19	1	09/889551.app.	US-PGPUB; USPAT	OR	ON	2009/12/15 13:13
S20	2	"63253677"	EPO; JPO; DERWENT	OR	ON	2009/12/15 13:14
S21	12	multilayer\$4 near4 thermoelectric near6 device	US-PGPUB; USPAT	OR	ON	2009/12/15 13:22
S22	70	cascade near4 thermoelectric	US-PGPUB; USPAT	OR	ON	2009/12/15 13:23
S23	202	thermoelectric and controller with water same temperature	US-PGPUB; USPAT	OR	ON	2009/12/15 14:20
S24	163	thermoelectric and unipolar	US-PGPUB; USPAT	OR	ON	2009/12/15 14:40
S25	26	three near2 thermal near4 terminal	US-PGPUB; USPAT	OR	ON	2009/12/15 14:54
S26	1	(thermoelement thermoelectric) with homojunction	US-PGPUB; USPAT	OR	ON	2009/12/15 15:04

S27	36	(thermoelement thermoelectric) with (homojunction homocouple unipolar)	US-PGPUB; USPAT	OR	ON	2009/12/15 15:05
S28	2	(thermoelement thermoelectric) same couple with "same" near2 (polarity conductivity)	US-PGPUB; USPAT	OR	ON	2009/12/15 15:19
S29	1033	thermoelectric and (lead bismuth) near4 telluride	US-PGPUB; USPAT	OR	ON	2009/12/16 16:08
S30	344	S29 and "136".cls.	US-PGPUB; USPAT	OR	ON	2009/12/16 16:08
S31	13	thermoelement same ("Bi. sub.2Te.sub.3" and "Sb. sub.2Te.sub.3")	US-PGPUB; USPAT	OR	ON	2009/12/16 16:15
S32	8	thermoelement and (PbTe and PbTeSe)	US-PGPUB; USPAT	OR	ON	2009/12/16 16:31
S33	18	(thermoelement thermoelectric) and (PbTe and PbTeSe)	US-PGPUB; USPAT	OR	ON	2009/12/16 16:33
S34	10	(thermoelement thermoelectric) and (PbTe same PbTeSe)	US-PGPUB; USPAT	OR	ON	2009/12/16 16:33
S35	3	thermoelement same PbTeSe	US-PGPUB; USPAT	OR	ON	2009/12/16 16:33
S36	33	PbTeSe	US-PGPUB; USPAT	OR	ON	2009/12/16 16:34
S37	1	("Bi.sub.1.0Sb.sub.1.0Te.sub.3" and "Bi.sub.0.5Sb.sub.1.5Te.sub.3")	US-PGPUB; USPAT	OR	ON	2009/12/16 18:22
S38	12	bismuth near4 telluride same dop\$6 with selenium and "136".cls.	US-PGPUB; USPAT	OR	ON	2009/12/16 18:45
S39	114267	heat near2 source	US-PGPUB; USPAT	OR	ON	2010/07/08 12:55
S40	87101	heat near4 sink	US-PGPUB; USPAT	OR	ON	2010/07/08 12:55
S41	5090	heat near4 drain	US-PGPUB; USPAT	OR	ON	2010/07/08 12:55
S42	267	S39 and S40 and S41	US-PGPUB; USPAT	OR	ON	2010/07/08 12:55
S43	81	S42 and thermoelectric	US-PGPUB; USPAT	OR	ON	2010/07/08 12:55
S44	985	136/203,205.ccls.	US-PGPUB; USPAT	OR	ON	2010/07/13 14:55
S45	2590	62/3.2,3.3,259.2.ccls.	US-PGPUB; USPAT	OR	ON	2010/07/13 14:55
S46	2993	165/104.33.ccls.	US-PGPUB; USPAT	OR	ON	2010/07/13 14:56

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S51	35	((Pama near2 Vankatasubramanian) (Kip near2 Coonley) (Edward near2 Sivola) (Michael near2 Puchan) (Randall near2 Alley) (Pratima near2 Addepalli) (Brooks near2 \$3quinn) (Thomas near2 Colpitts) (Mary near2 Napier)).in.	USPAT; UPAD	OR	ON	2010/07/13 13:45
S52	11	nextreme.as.	USPAT; UPAD	OR	ON	2010/07/13 13:45
S53	13286	unipolar homojunction unicouple	USPAT; UPAD	OR	ON	2010/07/13 13:46
S54	60052	thermocouple thermoelement thermoelectric	USPAT; UPAD	OR	ON	2010/07/13 13:46
S55	45	S53 same S54	USPAT; UPAD	OR	ON	2010/07/13 13:46
S56	1884	S53.clm.	USPAT; UPAD	OR	ON	2010/07/13 13:47
S57	53	S56 and "136".clas.	USPAT; UPAD	OR	ON	2010/07/13 13:47
S58	2	trans\$1thermoelectric trans \$1thermocouple trans \$thermistor3	USPAT; UPAD	OR	ON	2010/07/13 14:32
S59	699	136/203,205.cds.	USPAT; UPAD	OR	ON	2010/07/13 14:56
S60	1806	62/3.2,3.3,259.2.cds.	USPAT; UPAD	OR	ON	2010/07/13 14:56
S61	2130	165/104.33.cds.	USPAT; UPAD	OR	ON	2010/07/13 14:56
S62	17	S53 and (S59 S60 S61)	USPAT; UPAD	OR	ON	2010/07/13 14:57

7/ 13/ 2010 3:13:26 PM

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